



SONAIR SCT series

Standard Construction Codes



Circular Attenuators with central pod

Circular duct attenuator constructed from galvanised sheet steel, acoustic infill and perforated metal sheet, with central pod

Applications

For ventilation ducts or air conditioning installation, to reduce airborne noise transmission.

Materials

- Outer casing**
 -Outer casings of standard circular attenuators silencers shall be made of quality galvanized steel, [or 316/304 stainless steel, aluminum].
- Acoustic infill faced with perforated sheet steel**
 - Acoustically absorptive material of a proper density to obtain the specified acoustic performance and be packed under not less than 5% compression to eliminate voids due to vibration and settling. Material shall be with laminated non-woven glass fibre fabric to provide protection against abrasion at air velocities of up to 20 m/s- Highly biodegradable, no health risk; moisture-repellent; rot-proof impregnation and non-flammable.
- Central Pod**

Fire class – A1

Option selection

[M] – Melinex lining

Attenuator series	nominal diameter Dn	external diameter Dx	standard Length (mm)	Optional code
SCT	315	500	500	[M]
			1000	[M]
	355	560	500	[M]
			1000	[M]
	400	600	500	[M]
			1000	[M]
	450	650	500	[M]
			1000	[M]
	500	700	500	[M]
			1000	[M]
	560	710	1500	[M]
			560	[M]
	600	800	1000	[M]
			1250	[M]
	630	800	630	[M]
			1000	[M]
	710	900	1250	[M]
			710	[M]
	800	1000	1000	[M]
			1500	[M]
	900	1210	800	[M]
			1000	[M]
	1000	1250	1500	[M]
			2000	[M]
	1120	1400	900	[M]
			1500	[M]
	1250	1500	1120	[M]
			1500	[M]
			2000	[M]
			1250	[M]
			1500	[M]
			2500	[M]

other diameters upon request

other Lengths possible upon request

order example

SCT-DN900/1500 [M]

codes explained:

SCT - Sound attenuator model with central Pod

DN600/1000 - Nominal diam/Length

Optional code [M] - Melinex infill





SCT	standard Length (mm)	Static Attenuation (EN ISO 7235)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
315	500	2	5	9	16	21	20	21	18
	1000	4	9	15	27	34	45	39	27
355	500	2	4	8	15	19	19	17	15
	1000	5	8	14	25	32	41	37	25
400	500	1	4	8	14	18	17	16	14
	1000	3	7	13	25	40	38	29	21
450	500	1	4	7	14	16	16	14	12
	1000	3	7	12	24	39	35	26	18
500	500	1	3	7	13	16	15	13	11
	1000	2	6	12	23	38	33	24	17
	1250	5	9	16	30	50	50	33	21
560	500	1	3	6	13	15	14	11	10
	1000	2	6	11	22	36	31	21	15
	1250	4	8	15	30	50	48	29	19
600	500	1	3	6	12	15	13	10	9
	1000	2	5	11	21	34	29	19	13
	1250	4	8	14	29	50	44	26	16
630	500	1	3	6	12	15	13	10	9
	1000	2	5	11	21	34	29	19	13
	1250	4	8	14	29	50	44	26	16
710	500	1	3	6	12	14	12	9	8
	1000	2	5	10	20	33	27	17	12
	1500	4	7	13	28	50	41	23	14
800	500	1	2	5	11	13	11	8	7
	1000	2	5	9	19	31	25	14	10
	1500	3	6	13	26	49	37	20	12
900	1000	2	4	9	18	30	23	13	9
	1500	3	6	12	24	47	34	17	11
	2000	5	12	19	29	50	38	23	19
1000	1000	2	4	8	17	29	22	12	8
	1500	3	6	11	23	45	33	16	10
	2000	4	11	17	27	45	34	21	17
1120	1120	2	4	8	17	29	22	12	8
	1500	3	6	11	23	42	33	16	10
	2000	4	11	16	26	44	34	20	17
1250	1250	3	8	15	19	22	14	10	8
	1500	3	10	19	27	31	16	11	8
	2000	5	14	28	37	39	18	12	10

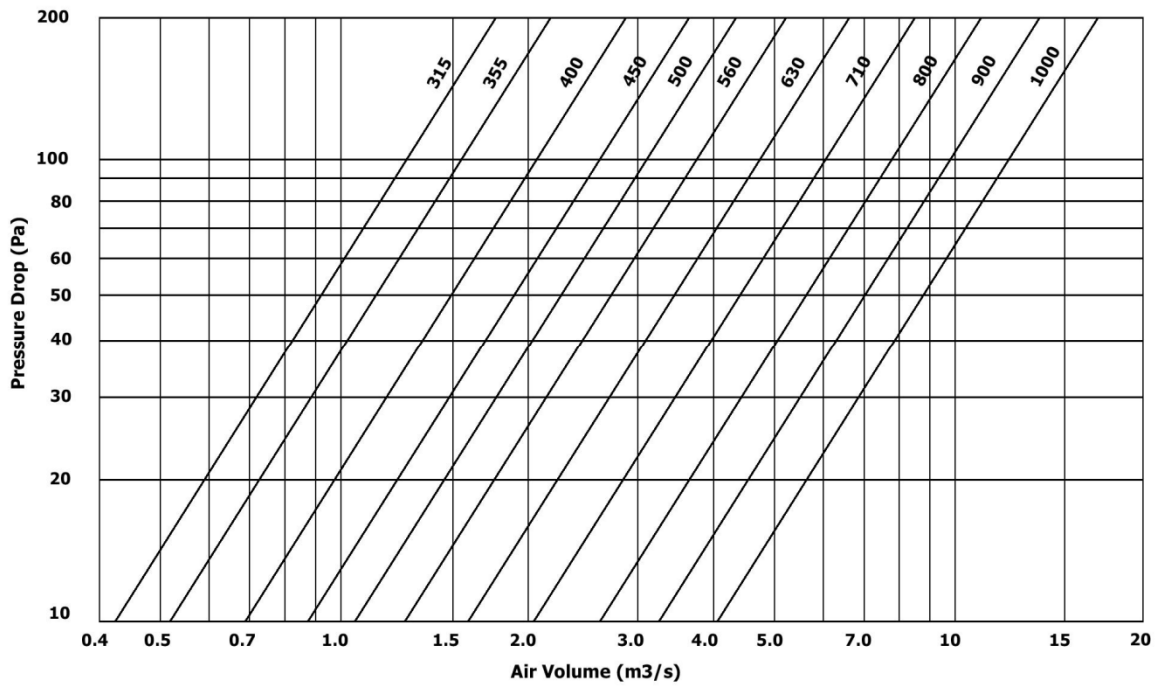
Other Lengths possible upon request





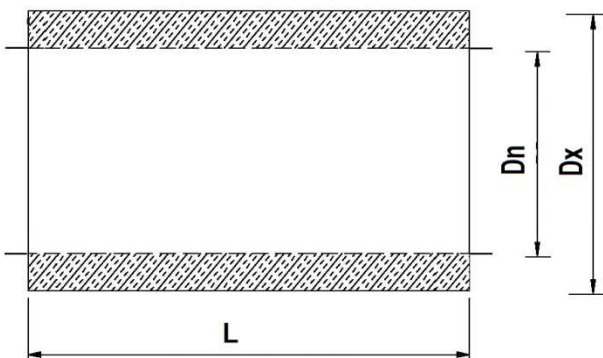
Pressure loss for SONAIR - SCT

circular sound attenuators with central Pod



Pressure Loss for SONAIR – SCS circular sound attenuator without central Pod is negligible

Sound Attenuator SCS series



Sound Attenuator SCT series

